

OK to
enter
my
3/1/04

1-47 (Cancelled)

148-207 (Cancelled by Exr's Amdt)

Listing of Claims

48. (Currently Amended) A method of forming an array of ~~compounds~~ ligands on a support having ~~one or more~~ localized areas comprising

(a) locating a dispenser ~~containing~~ to dispense a solution comprising a compound a distance away from a surface of the support;

(b) dispensing a volume of the solution in a single coupling step [droplet] of less than 5 nl from the dispenser to occupy a localized area [with the droplet contacting the surface at a localized area] smaller than 1 cm² on the surface of the support;

(c) allowing the compound to attach directly or indirectly to the surface of the support at the localized area;

(d) repeating steps a through c to attach a same or different compound at a same or different localized area until an array of at least 40 100 different ~~reagents~~ ligands, each at different an individual localized area areas is formed and wherein density of localized areas on the support is at least about 1000 localized areas per cm² of surface of the support.

49. (Previously Presented) The method of claim 48 wherein the compound is dissolved in the solution.

50. (Previously Presented) The method of claim 48 wherein the compound is in the form of a pellet.

51. (Previously Presented) The method of claim 48 further comprising the step of contacting the dispenser to the surface of the support.

52. (Previously Presented) The method of claim 48 wherein the support further comprises a cover plate.

53. (Previously Presented) The method of claim 48 wherein the distance away is between about 5 microns and about 50 microns.